

CDF Operations Report

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CDF Weekly Meeting

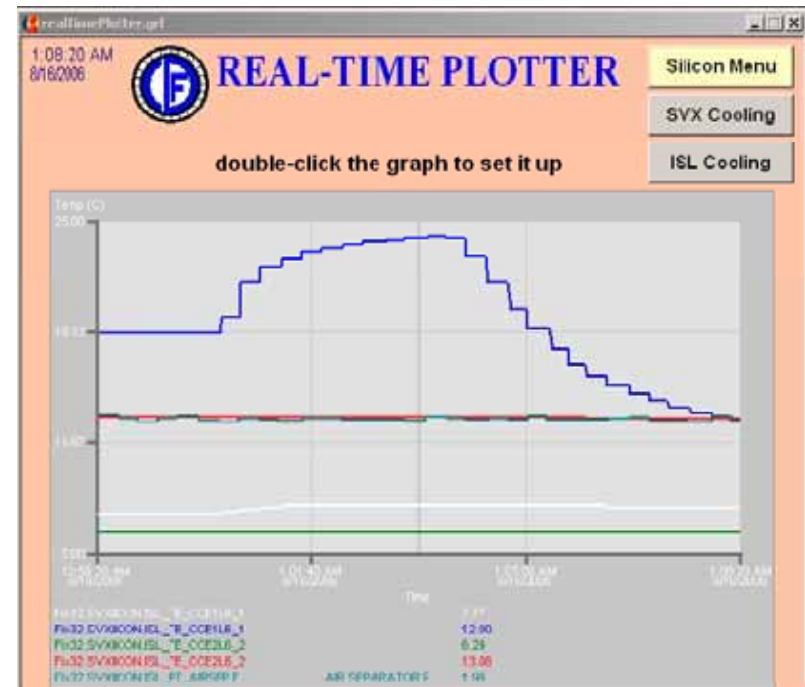
August 17, 2006

Store Summary (Aug 10-17)

Store #	Start Date	Duration [hr]	Init. Lumi [pb ⁻¹]	Deliv. Lumi [pb ⁻¹]	Live Lumi [pb ⁻¹]	Good w/ Si [pb ⁻¹]	Comments
4898	8/10 Thu	20.1	165.4	5.56	5.01 90%	5.01 90%	
4900	8/11 Fri	25.5	149.1	5.43	5.07 93%	5.07 93%	
4902	8/12 Sat	16.7	159.0	4.85	3.79 78%	3.61 75%	XTRP load / CLC HV TEV quench
4904	8/13 Sun	27.2	133.9	5.41	4.81 89%	4.69 87%	CSX discri. Swap
4905	8/15 Tue	24.4	125.8	4.83	4.24 87%	4.17 86%	BSC, TSU HV ISL cooling
4906	8/16 Wed	26.5	123.7	4.71	4.29 91%	4.29 91%	L2pulsar bumped, COT HV, Eve shift record 97.2%
Sum	-	140.4	-	30.79	27.21 88%	26.84 87%	Notably good "w/ Si" efficiency!!

ISL Cooling Problem

- Observed bubbles in ISL cooling water few weeks ago.
 - Could be the cause of compromised cooling in sections of ISL.



- Temperature rise in end of store 4905 (Wed Owl).
 - Possibly a big bubble went in.
- Interlock didn't work correctly, a wedge out of 6 stayed on.
 - Fixed the jumper on power supply in wrong position during access this morning.

Operations

- **Controlled Accesses**

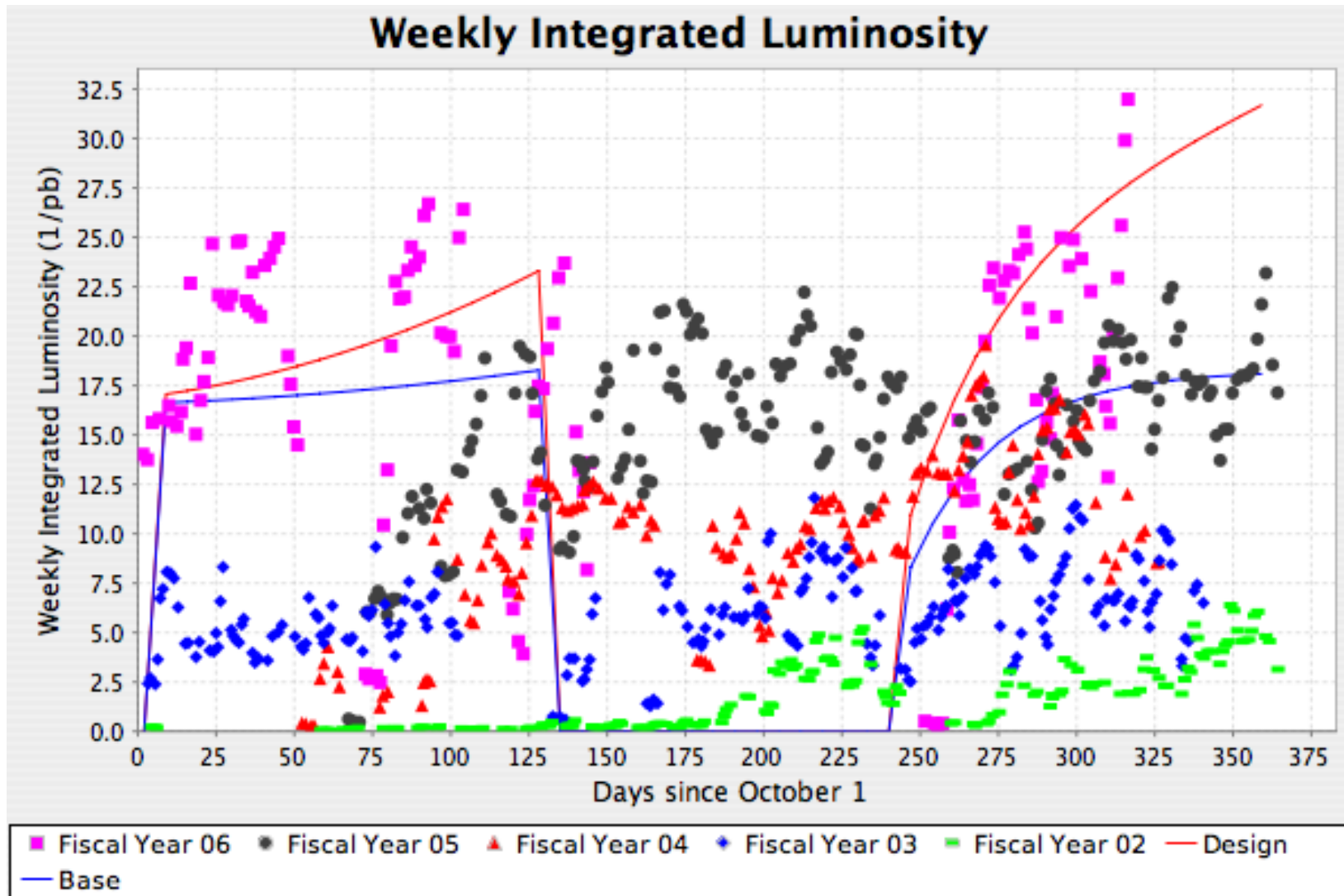
- Aug 11 (Fri)
 - ◆ Replaced a bad Fib board.
 - ◆ Replaced a bad CAFÉ card in PCAL03.
 - ◆ Swapped a COT TDC board for XFT upgrade, problem not fixed.
- Aug 17 (Thu / today)
 - ◆ Fixed ISL cooling interlock.
 - ◆ ISL bias cable swap fixed.

- **Other Activities**

- L2A limits has been increased by 150 Hz (up to 750 Hz).
- COT stereo thresholds reduced for XFT upgrade.
- Test of new trigger table.

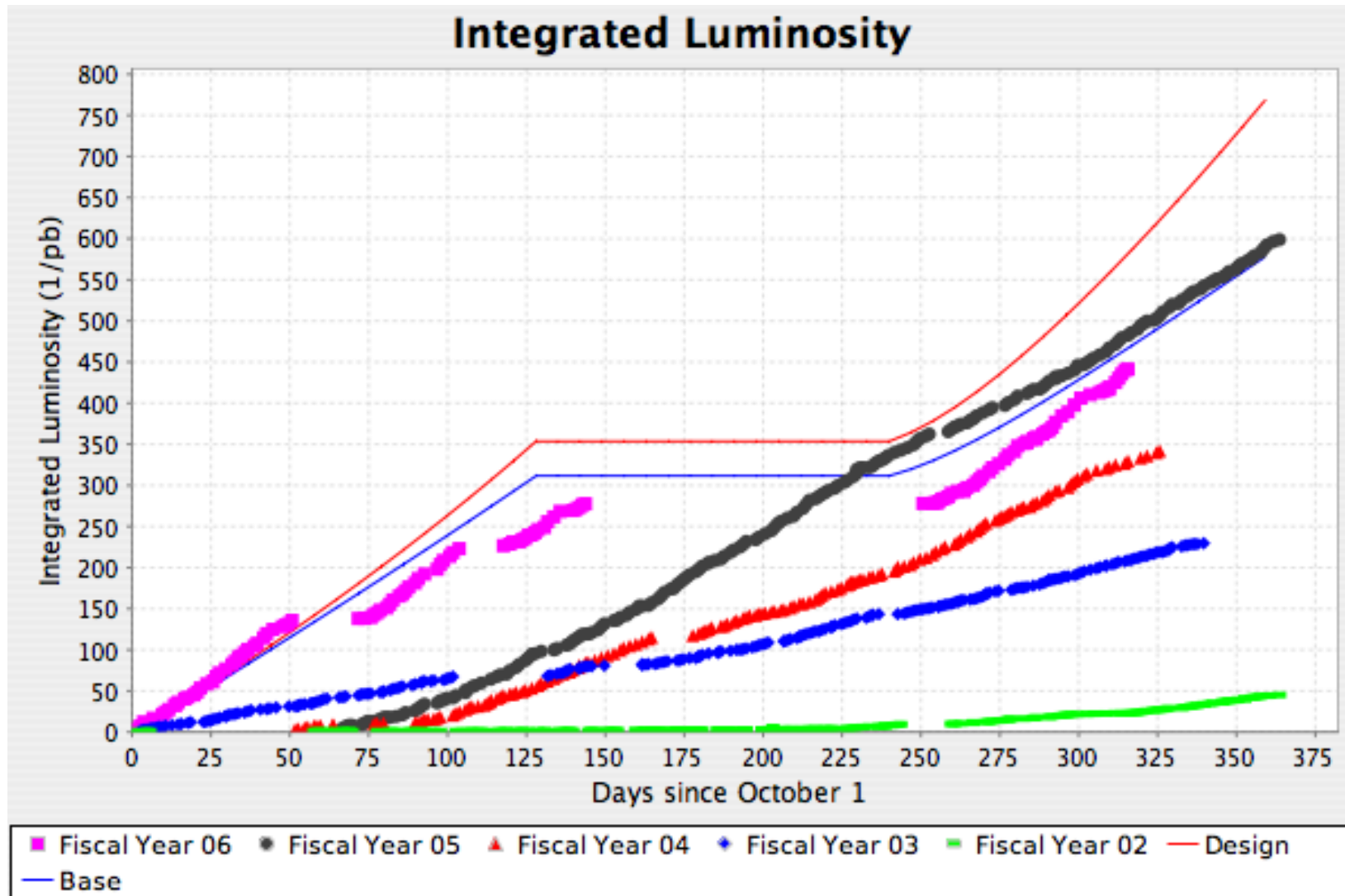
Accelerator Status 1

from AEM on aug 14



Best weekly int.L in Run II!

Accelerator Status 2 from AEM on aug 14



Catching up with Base, trying to go for Design.

Accelerator Status 3 from AEM on aug 14

- Heavy plant growth in the pond due to high temperature.
- Could compromise our cooling water circulation.

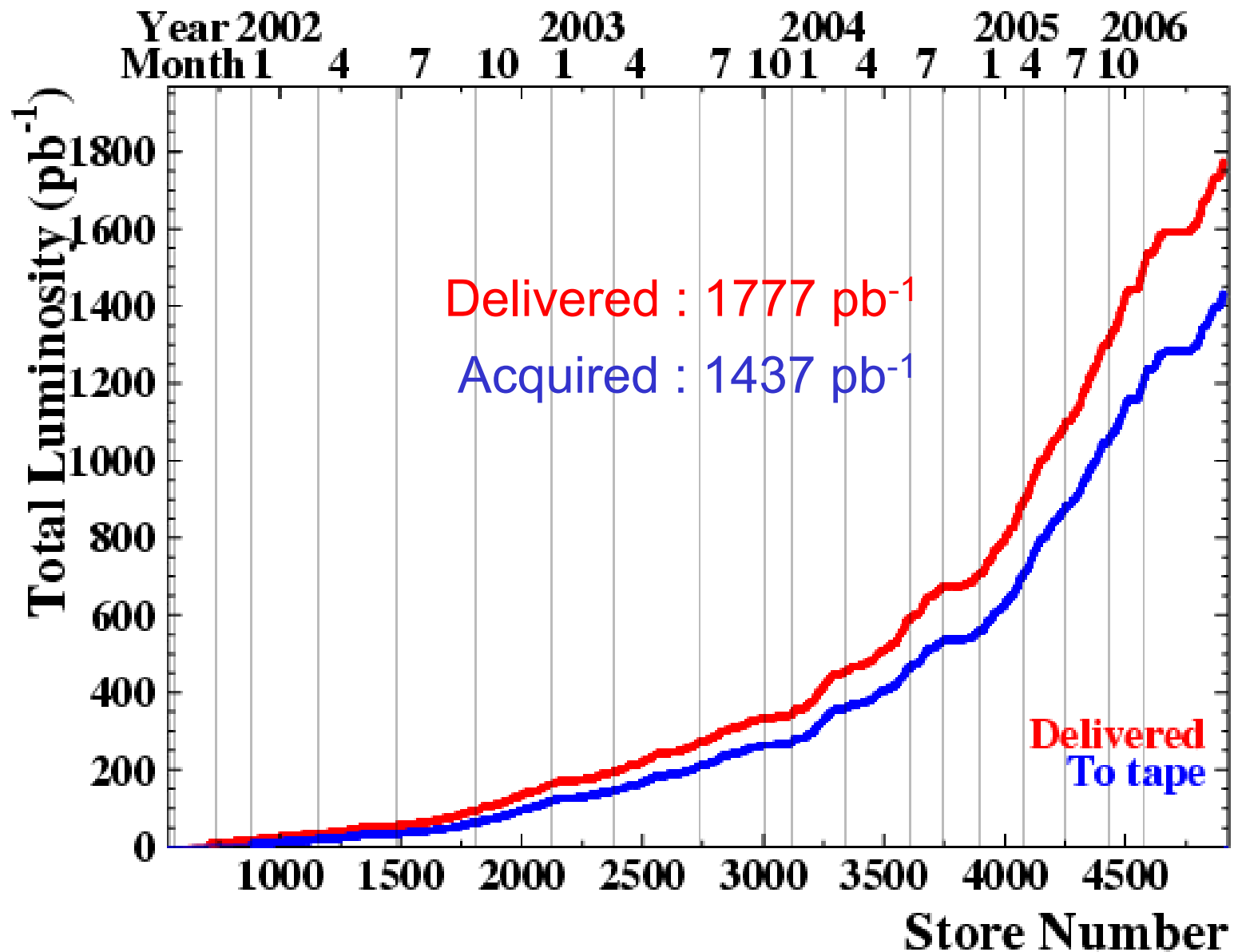


“These guys are keeping our accelerator running!”



- They just started to use chemical at A0.
- B0 over next couple of weeks.

CDF Integrated Luminosities



Summary

- TEVATRON is running very well.
 - Recorded best weekly integrated luminosity!!
- CDF is collecting data very well, too.
 - WeekEfficiency w/ Si was 87% (88% w/o Si).
 - Average after the shutdown : 71% (74% w/o Si).

Backup

Accelerator Status

from AEM on aug 14

